

**TRAINER, EXPEDITIONARY AIRFIELD ARREST GEAR HYD SYSTEM, DEVICE 2H133****TRAINING CATEGORY:**

AVIATION (Aircraft Recovery Equipment)

ORIGINATING AGENCY:

DCNO/AIR

SECURITY CLASSIFICATION:

Device 2H133 is unclassified.

PURPOSE:

To demonstrate the operation of the Expeditionary Airfield M-21 Arresting Gear Hydraulic System. The trainer is a backlighted board that simulates the hydraulic system fluid flow and actuator positions for the four (4) modes of operation.

INTENDED USE:

In Aviation Equipment School for Classroom training of enlisted personnel with varying degrees of proficiency in operation and maintenance of equipment used in the recovery of aircraft on an expeditionary airfield.

FUNCTIONAL DESCRIPTION:

The trainer is a backlighted panel to simulate the hydraulic system fluid flow and related equipment and controls. The system provides the trainee with a visual understanding of interactions of various equipment and fluid during the arresting operations. The electronic logic of the trainer is designed so that the simulated Hydraulic Systems can be activated from a remote hand held control station or from pushbuttons on the panel board. The board is mounted on a structural frame with a steel base equipped with rubber tired casters.

PHYSICAL INFORMATION:

Number of Pieces: One (1) Stand Assembly

Size: 78" High x 34" Deep x 100" Long

Weight: 561 lbs.

DIRECTORY OF NAVAL TRAINING DEVICES

POWER REQUIREMENTS:

120 VAC, 60 Hz, 5.4 amp capacity outlet.

PUBLICATIONS FURNISHED:

Operations and Maintenance Guide, Trainer, Expeditionary Airfield Arresting Gear Hydraulic System, Device 2H133, P-5353-14 (U).

PERSONNEL:

Instructor: One (1), Staff to M/SGT graduate of Aviation Equipment School with actual experience in equipment operation and maintenance.

Operator: Instructor and Student Operated

Trainees: Class of up to 50

Maintenance: One (1) hour per 100 hour utilization. (Approximately every 2 months of use)

CONTRACT IDENTIFICATION:

Manufactured by United Scale Models Southwest, Inc., Houston, TX under NAVTRASYS-CEN, Orlando, FL Contract No. N61339-86-C-0136.

LOCAL STOCK NUMBER:

6910-LL-C00-6881